
7. WATER TRANSFER OPPORTUNITIES

DRAFT - For Discussion Only

Distinguishing Characteristics
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Water Transfer Opportunities Supporting Information

Water transfer opportunities will be influenced by the transport capacity through the Delta conveyance and export facilities and the overall changes in the water transfer market. Modeling runs will be used to estimate the physical capacity (upper limit) of the export facilities available to transport water and the available capacity below the institutional constraints. These capacities will be compared to estimates of the amount of water that the market may be willing to transfer. Relative comparisons of the increase, or decrease, in transferable water will be used to evaluate the alternatives.

Definition

“Water Transfer Opportunities” is an estimate of how well each alternative can carry water that may be generated through market sales or trades at different locations in the system.

Summary

Preliminary evaluations indicate that each alternative has approximately 2,000,000 acre-feet or more of available export transport capacity in all year types. Preliminary estimates of the market willingness to transfer water may be in the 100,000 to 200,000 acre-foot range. Since each alternative has capacity greatly exceeding the market need for transfers, all alternatives have the same high water transfer opportunities.

The chart at right and Table 7.1 show that each alternative offers high (5) transfer opportunities.

Supporting Information for Table 7.1

See summary above.

7. Water Transfer Opportunities

**Available Delta
Conveyance/Export Capacity**

- avg. year capacity (AF)
- dry year capacity (AF)

Market Interest

market interest vs. \$/AF
from sensitivity analysis:

- avg. year capacity (AF)
- dry year capacity (AF)

Provide available capacity under regulatory and physical constraints.

To
Decision
Matrix

Table 7.1 Summary

	Available Conveyance/Export Capacity								Market Interest		Overall Score
	Crit. Yr. (TAF)				Above Norm. Yr. (TAF)				Crit. Yr. (TAF)	Avg. Yr. (TAF)	
Alternative	Below Institutional Constraints		Max. Physical Capacity		Below Institutional Constraints		Max. Physical Capacity				
	Apr-Sep	Oct-Mar	Apr-Sep	Oct-Mar	Apr-Sep	Oct-Mar	Apr-Sep	Oct-Mar			
Exist. Cond.	1,648	949	4,159	2,844	581	1,317	2,473	2,054	Preliminary economic estimates indicate that market interest may be in the 100,000 to 200,000 acre-foot range, well below the capacity to move the water. Some estimates indicate the demand for transfers may exceed 600,000 to 1,000,000 acre-foot annually; in which case the scoring of alternatives may change.	5	
No-action	1,634	1,817	4,178	2,803	581	1,416	2,245	1,699		5	
1A										5	
1B	1,634	1,817	4,207	2,669	581	1,416	2,299	1,492		5	
1C										5	
2A										5	
2B	1,644	1,817	3,607	2,512	581	1,416	2,350	955		5	
2D										5	
2E										5	
3A	The above select estimates of capacity indicate that ability to move the water equals or exceeds 580,000 acre-feet for the range of alternatives. The ability of alternatives to move transfer water above this value is a function of Delta salinity conditions and the value of key Delta standards									5	
3B										5	
3E										5	
3H									5		
3I									5		

The above select estimates of capacity indicate that ability to move the water equals or exceeds 580,000 acre-feet for the range of alternatives. The ability of alternatives to move transfer water above this value is a function of Delta salinity conditions and the value of key Delta standards

Values are on a scale from 0 to 5; with 0 representing the least opportunity and 5 representing the most.